

### Amendments to the Claims

This listing of claims replaces all prior versions and listings of claims in the application.

### Listing of Claims

1. (Previously Presented) A polynucleotide consisting of the base sequence of SEQ ID NO:2, or a complementary strand thereto, wherein the nucleotide at position 6055 of SEQ ID NO:2 is A, C or T.
2. (Previously Presented) A polynucleotide according to claim 1, wherein the polynucleotide is at least a part of a gene.
3. (Original) A recombinant vector comprising a polynucleotide according to claim 1.
4. (Currently Amended) A DNA primer or probe specific for the polynucleotide of claim 1, wherein the primer or probe contains at least 18 consecutive nucleotides from the polynucleotide or the complementary strand, and wherein the primer or probe includes the nucleotide at position 6055 of SEQ ID NO:2.
5. (Currently Amended) A method of screening for parkinsonism inheritance in a subject, comprising: ~~using the DNA primer or probe of claim 10 to determine~~  
determining whether or not a sample of material taken from the subject comprises a polynucleotide that corresponds to SEQ ID NO:2 and has an A at position 6055, or the complement thereof, wherein said determining comprises using the DNA primer or probe of claim 10, and  
diagnosing said subject as having wherein the presence of said polynucleotide indicates parkinsonism inheritance if said sample comprises said polynucleotide.
- 6-9. (Cancelled)
10. (Previously Presented) A polynucleotide containing more than 10 consecutive nucleotides from the SEQ ID NO:2 or the complementary strand thereof, wherein the polynucleotide contains nucleotide position 6055 of SEQ ID NO:2.

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11. (Previously Presented) The polynucleotide of claim 10, wherein the nucleotide at the position corresponding to position 6055 of SEQ ID NO:2 is A.